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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 06/03/2010

MCKENNA LONG & ALDRIDGE LLP Song K. Jung 100 K Street, N.W. Washington, DC 20006

LIN, JAMES				
PAPER NUMBER				

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/825,362	04/16/2004	Kyung Su Chae	8733.1024.00-US	8091

 $\hbox{\it TITLE OF INVENTION: DISPENSING APPARATUS FOR LIQUID CRYSTAL DISPLAY PANEL AND DISPENSING METHOD USING THE SAME \\$

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/03/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

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appropriate. All further indicated unless correct maintenance fee notifica	correspondence includir ed below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of r a) specifying a new corres	naintenance fees wi pondence address;	Il be mailed to the current and/or (b) indicating a sep	t correspondence address a grate "FEE ADDRESS" fo
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Song K. Jung 1900 K Street, N		-2010	I he Stat addi tran	reby certify that this	ficate of Mailing or Trans Fec(s) Transmittal is bein th sufficient postage for fir Stop ISSUE FEE address O (571) 273-2885, on the c	smission g deposited with the United st class mail in an envelope above, or being facsimile fate indicated below.
Washington, DC	20006					(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/825,362 TITLE OF INVENTION	04/16/2004 E: DISPENSING APPAR	ATUS FOR LIQUID CR	Kyung Su Chae YSTAL DISPLAY PANE	L AND DISPENSIN	8733.1024.00-US G METHOD USING THE	8091 SAME
APPLN. TYPE	SMALL ENTITY	ISSUE PEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/03/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	1		
LIN, J	AMES	1715	427-058000			
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.863). Change of correspondence address for Change of Correspondence Address for PIOSB/122) anached. The Address form Lanched. The Address' indication for "Fee Address" Indication form PIOSB/123 (see 0.802) or more recent) attached. Use of a Customer Number is required.			2. For printing on the p (I) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent atto listed, no name will be	3 registered patent vely, e firm (having as a agent) and the names meys or agents. If no printed.	nember a 2	
PLEASE NOTE: Un recordation as set for (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		(B) RESIDENCE: (CITY	atent. If an assigner assignment. and STATE OR CO	OUNTRY)	oup entity
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	s SMALL ENTITY state	as. See 37 CFR 1.27.			LENTITY status. Sec 37 C	
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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10/825,362	10/825,362 04/16/2004 Kyung Su Chae			8091
75	90 06/03/2010	EXAMINER		
MCKENNA LONG & ALDRIDGE LLP			LIN, J	AMES
Song K. Jung			ART UNIT	PAPER NUMBER
1900 K Street, N.W Washington, DC 20		1715		
washington, DC 2	,000	DATE MAIL ED: 06/03/2010		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 946 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 946 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/825 362 CHAE ET AL. Notice of Allowability Examiner Art Unit JAMES LIN 1715 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to the response filed 4/9/2010. 2. The allowed claim(s) is/are 16 and 21-23. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. X Examiner's Amendment/Comment Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. T Examiner's Statement of Reasons for Allowance of Biological Material Other . /Jimmy Lin/ Examiner, Art Unit 1715

Application/Control Number: 10/825,362 Page 2

Art Unit: 1715

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or
additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR
1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the
payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Valerie Hayes on May 24, 2010.

The application has been amended as follows:

Cancel claims 1-15 and 24-28.

Claims 16: A method for dispensing a liquid crystal display panel, comprising: providing a plurality of tables at a side of a transferring path of a plurality of substrates, wherein the plurality of substrates includes a first substrate and a second substrate;

providing a plurality of first dispensers for forming a silver dot and a plurality of second dispensers for forming a seal pattern, wherein the plurality of first dispensers are installed on one side of each table and the plurality of second dispensers are installed on the other side of said each table:

respectively loading the plurality of substrates on the plurality of tables, wherein the plurality of tables respectively and independently operate;

supplying a silver paste to the plurality of first dispensers including a plurality of first syringes and sealant to the plurality of second dispensers including a plurality of second syringes;

supplying scalant instead of silver paste to the plurality of first dispensers including the plurality of first syringes if silver dot is not required according to a model of a liquid crystal display panel: Art Unit: 1715

simultaneously supplying silver paste to the substrates first substrate having a plurality of unit panels through first nozzles at the end of the plurality of first syringes and sealant to the substrates first substrate through second nozzles at the end of the plurality of second syringes; and simultaneously supplying scalant to the substrates second substrate through the first nozzles and the second nozzles if silver dot is not required according to the model of the liquid

crystal display panel.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES LIN whose telephone number is (571)272-8902. The examiner can normally be reached on Monday thru Friday 8AM - 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Meeks can be reached on 571-272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jimmv Lin/ Examiner, Art Unit 1715

/Timothy H Meeks/ Supervisory Patent Examiner, Art Unit 1715